

## MESA dbGaP Acknowledgment Statements

The acknowledgment of MESA dataset(s) should always include acknowledgment of the appropriate MESA/MESA Family/MESA Air contracts (component I below) **AND** the genotypic/genomic dataset(s) (component II below). In addition, if the MESA phenotypic dataset(s) used in your analysis were derived from non-contract supported studies, these dataset(s) should also be acknowledged (component III below).

### Components of the MESA dbGaP Acknowledgment Statements:

**I. Multi-Ethnic Study of Atherosclerosis (MESA) Contract Acknowledgment.** (Use one or more of the following statements relevant to the specific datasets used in your analysis)

#### A. MESA Acknowledgement

"MESA and the MESA SHARe project are conducted and supported by the National Heart, Lung, and Blood Institute (NHLBI) in collaboration with MESA investigators. Support for MESA is provided by contracts N01-HC-95159, N01-HC-95160, N01-HC-95161, N01-HC-95162, N01-HC-95163, N01-HC-95164, N01-HC-95165, N01-HC-95166, N01-HC-95167, N01-HC-95168, N01-HC-95169, UL1-RR-025005, and UL1-TR-000040.

#### B. MESA Family Acknowledgement

"MESA Family is conducted and supported by the National Heart, Lung, and Blood Institute (NHLBI) in collaboration with MESA investigators. Support is provided by grants and contracts R01HL071051, R01HL071205, R01HL071250, R01HL071251, R01HL071258, R01HL071259, by the National Center for Research Resources, Grant UL1RR033176, and the National Center for Advancing Translational Sciences, Grant UL1TR000124."

#### C. MESA Air Acknowledgement

"This publication was developed under a STAR research assistance agreement, No. RD831697 (MESA Air), awarded by the U.S Environmental protection Agency. It has not been formally reviewed by the EPA. The views expressed in this document are solely those of the authors and the EPA does not endorse any products or commercial services mentioned in this publication."

Note: If necessary, add "This manuscript was not prepared in collaboration with MESA investigators and does not necessarily reflect the opinions or views of MESA, or the NHLBI."

Note: Any work using data from a MESA Air funded project should include the MESA Air acknowledgement. This includes: Exam 5 CAC data, Exam 5 IMT data, any analyses that include the MESA Air New Recruits, and any studies that use air pollutant predictions or monitoring data collected by MESA Air.

**II. Genotypic/Genomic Dataset Acknowledgment** (Use one or more of the following statements relevant to the specific datasets used in your analysis)

**A. MESA SNP Health Association Resource (SHARe):** "Funding for SHARe genotyping was provided by NHLBI Contract N02-HL-64278. Genotyping was performed at Affymetrix (Santa Clara, California, USA) and the Broad Institute of Harvard and MIT (Boston, Massachusetts, USA) using the Affymetrix Genome-Wide Human SNP Array 6.0."

**B. Candidate gene Association Resource (CARE):** "The MESA CARE data used for the analyses described in this manuscript were obtained through dbGaP (accession numbers). Funding for CARE genotyping was provided by NHLBI Contract N01-HC-65226."

**C. NHLBI Grand Opportunity Exome Sequencing Project (GO-ESP)**

“This study is part of the NHLBI Grand Opportunity Exome Sequencing Project (GO-ESP). Funding for GO-ESP was provided by NHLBI grants RC2 HL103010 (HeartGO), RC2 HL102923 (LungGO) and RC2 HL102924 (WHISP). The exome sequencing was performed through NHLBI grants RC2 HL102925 (BroadGO) and RC2 HL102926 (SeattleGO).

HeartGO gratefully acknowledges the following groups and individuals who provided biological samples or data for this study. DNA samples and phenotypic data were obtained from the following studies supported by the NHLBI: the Atherosclerosis Risk in Communities (ARIC) study, the Coronary Artery Risk Development in Young Adults (CARDIA) study, Cardiovascular Health Study (CHS), the Framingham Heart Study (FHS), the Jackson Heart Study (JHS) and the Multi-Ethnic Study of Atherosclerosis (MESA).”

#### **D. 96-SNP Panel SHARe Follow-up Genotyping**

See acknowledgement IIA.

#### **E. Exome Chip SHARe Follow-up Genotyping**

See acknowledgement IIA.

#### **F. Cardiometabochip**

“Cardiometabochip genotyping data was supported in part by grants and contracts R01HL98077, N02-HL-64278, HL071205, UL1TR000124, DK063491, RD831697, and P50 ES015915. Although the research described in this presentation has been funded in part by the United States Environmental Protection Agency through RD831697 to the University of Washington, it has not been subjected to the Agency's required peer and policy review and therefore does not necessarily reflect the views of the Agency and no official endorsement should be inferred.”

#### **G. Epigenomics**

“The MESA Epigenomics & Transcriptomics Study was funded by NIA grant 1R01HL101250-01 to Wake Forest University Health Sciences”

### **III. Non-Contract Phenotypic Dataset Acknowledgment** (Select from the following statements those relevant to the specific datasets used in your analysis)

#### **MESA Classic Ancillary Study**

##### **MESA SHARe – Candidate Gene Dataset**

(SHARe\_AncilMESACG)

**Nature of Data:** Indicator of participation in Candidate Gene dataset

[Note: Acknowledgement is covered by Section I]

##### **MESA SHARe – MESA Classic Abdominal Aortic CT Datasets**

(SHARe\_AncilMesaExam3AbdominalAorticCT and SHARe\_AncilMesaExam4AbdominalAorticCT)

**Nature of Data:** Exam 3 and Exam 4 MESA Classic abdominal aortic CT dataset

“Funding support for the abdominal aortic CT dataset was provided by grant 1R01HL088451-01A1.”

##### **MESA SHARe – MESA Classic Abdominal Body Composition Dataset**

(SHARe\_AncilMesaAbdBodyComposition)

**Nature of Data:** Abdominal Body Composition dataset for MESA Classic participants

“Funding support for the abdominal aortic CT dataset was provided by grant 1R01HL088451-01A1.”

##### **MESA SHARe – MESA Classic Adiponectin Dataset**

(SHARe\_AncilMesaAdiponectin)

**Nature of Data:** MESA Classic Adiponectin dataset

“Funding support for the adiponectin dataset was provided by grant 1R01HL088451-01A1.”

**MESA SHARE – MESA Classic Air Exposure Dataset**

**(SHARE\_AncilMESAAirExposure)**

**Nature of Data:** Distance to Roadway measurements for MESA Air Classic participants.

[Note: Acknowledgement is covered by section I]

**MESA SHARE – MESA Classic ApoA1 Dataset**

**(SHARE\_AncilMESAApolipoproteinA1)**

**Nature of Data:** MESA Classic ApoA1 genotypes.

[Note: Acknowledgement is covered by Section I]

**MESA SHARE – MESA Classic Air ApoE Dataset**

**(MESA\_AncilMesaApoE)**

**Nature of Data:** MESA Classic ApoE isoforms.

[Note: Acknowledgement is covered by Section I]

**MESA SHARE – MESA Classic Aortic Valvular Calcium Dataset**

**(SHARE\_AncilMesaAorticValvularCalcium)**

**Nature of Data:** Aortic valvular calcium dataset for MESA Classic participants

“Funding support for the aortic valvular calcium dataset was provided by grant 1R01HL088451-01A1.”

**MESA SHARE – MESA Classic Atrial Fibrillation Cases Dataset**

**(SHARE\_MesaAfibEvents)**

**Nature of Data:** Atrial Fibrillation Follow-up Cases dataset

[Note: Acknowledgement is covered by section I.]

**MESA SHARE – MESA Classic Bone Mineral Density Dataset**

**(SHARE\_AncilMesaBMD)**

**Nature of Data:** Bone Mineral Density dataset for MESA Classic participants

“Support for the Bone Mineral Density dataset was provided by grant HL072403”

**MESA SHARE – MESA Classic BNP Dataset**

**(SHARE\_BNP)**

**Nature of Data:** BNP dataset for MESA Classic participants

“Support for the BNP dataset was provided by Roche Applied Sciences (Indianapolis, Indiana, USA)”

**MESA SHARE – MESA Classic Cotinine Dataset**

**(SHARE\_Cotinine)**

**Nature of Data:** Cotinine dataset for MESA Classic participants

“Funding support for the Lung CT dataset was provided by grant HL077612-05A1”

**MESA SHARE – MESA Classic Diet Exam 1 Dataset**

**(MESA\_SHARE\_Exam1Diet and SHARE\_Exam1DietNutrients)**

**Nature of Data:** Exam 1 Diet data for MESA Classic participants

[Note: Acknowledgement is covered by section I]

**MESA SHARE – MESA Classic Diet Nutrients Exam 5 Dataset**

**(MESA\_SHARE\_Exam5DietNutrients)**

**Nature of Data:** Exam 5 Diet Nutrients data for MESA Classic participants

[Note: Acknowledgement is covered by section I]

**MESA SHARE – MESA Classic ECG Dataset**  
**(SHARE\_Exam1ECGContiWaveform)**  
**Nature of Data:** ECG dataset for MESA Classic participants  
[Note: Acknowledgement is covered by section I]

**MESA SHARE – MESA Classic Events Dataset**  
**(SHARE\_PreFU8Events)**  
**Nature of Data:** Pre Follow Up 8 Events dataset for MESA Classic participants  
[Note: Acknowledgement is covered by section I]

**MESA SHARE – MESA Classic Events Dataset**  
**(SHARE\_ThruYear2011Events)**  
**Nature of Data:** Through 2011 Events dataset for MESA Classic participants  
[Note: Acknowledgement is covered by section I]

**MESA SHARE – MESA Classic Eye Refraction Dataset**  
**(SHARE\_AncilMesaEyeRefraction)**  
**Nature of Data:** Refraction dataset for MESA Classic participants  
“Funding support for the eye dataset was provided by NIH Intramural program Z01EY000403”

**MESA SHARE – MESA Classic Eye Exam 2 Retinal Photography Dataset**  
**(SHARE\_AncilMesaEyeE2RetinalPhotography)**  
**Nature of Data:** Exam 2 Retinal Photography dataset for MESA Classic participants  
“Funding support for the eye dataset was provided by grant HL066018”

**MESA SHARE – MESA Classic Eye Exam 5 Retinal Photography Dataset**  
**(SHARE\_AncilMesaEyeE5RetinalPhotography)**  
**Nature of Data:** Exam 5 Retinal Photography dataset for MESA Classic participants  
“Funding support for the eye dataset was provided by grant NIH Intramural program Z01EY000403”

**MESA SHARE – MESA Classic Family History Dataset**  
**(Dataset: MESA\_SHARE\_Exam2FamilyHx)**  
**Nature of Data:** Family History data for MESA Classic participants  
“Funding support for the MESA family history dataset was provided by grant R21 HL81175.”

**MESA SHARE – MESA Classic Fetuin-A Dataset**  
**(SHARE\_AncilMESAFetuinA)**  
**Nature of Data:** MESA Classic measures of Fetuin-A, Calcium, and Phosphorous.  
“Funding support for the Fetuin-A dataset was provided by grant HL091217”

**MESA SHARE – MESA Classic FMD Dataset**  
**(SHARE\_AncilMesaFMD)**  
**Nature of Data:** FMD dataset for MESA Classic participants  
Acknowledgement is covered by section I MESA and “Funding support for the FMD dataset was provided by grant and contract numbers N01 HC-95159-69, RR-024156, and HL077612”

**MESA SHARE – MESA Classic GGT Dataset**  
**(MESA\_AncilMesaGGT)**  
**Nature of Data:** MESA Classic measures of Gamma-Glutamyltransferase  
“Funding support for the GGT dataset was provided by grant NIH 1 UL1 RR 025014-01”

**MESA SHARE – MESA Classic IL-10 Dataset**

**(SHARE\_IL-10)**

**Nature of Data:** IL-10 dataset for MESA Classic participants

[Note: Acknowledgement is covered by section I]

**MESA SHARE – MESA Classic Inflammation Dataset**

**(SHARE\_Inflammation)**

**Nature of Data:** Inflammation dataset for MESA 1000 participants

“Funding support for the inflammation dataset was provided by grant HL077449”

**MESA SHARE – MESA Classic Lp\_PLA2 Dataset**

**(SHARE\_AncilMesaLpPLA2)**

**Nature of Data:** MESA Classic measure of LpPLA2.

“Funding support for the Lp-PLA2 dataset was provided by Diadexus/GlaxoSmithKline”

**MESA SHARE – MESA Classic Lung A1At 185 Dataset**

**(MESA\_AncilMesaLungA1AT)**

**Nature of Data:** Alpha 1 antitrypsin for 185 case-control subjects from the MESA Lung Cohort.

“Funding support for the A1AT dataset was provided by grants R01-HL077612 and RC1-HL100543”

**MESA SHARE – MESA Classic Lung Airways Dataset**

**(SHARE\_AncilMesaLungAirway)**

**Nature of Data:** Lung Airways dataset for MESA Classic participants

“Funding support for the Lung CT dataset was provided by grants R01-HL077612 and RC1-HL100543”

**MESA SHARE – MESA Classic Lung CT Dataset**

**(SHARE\_LungExam1CT, SHARE\_LungExam2CT, SHARE\_LungExam3CT, SHARE\_LungExam4CT)**

**Nature of Data:** Lung CT dataset for MESA Classic participants

“Funding support for the Lung CT dataset was provided by grants R01-HL077612 and RC1-HL100543”

**MESA SHARE – MESA Classic Lung CT Read 185 Dataset**

**(MESA\_AncilMesaCTRead185)**

**Nature of Data:** Lung CT reads for 185 case-control subjects who had A1AT measured from the MESA Lung Cohort.

“Funding support for the Lung CT dataset was provided by grants R01-HL077612 and RC1-HL100543”

**MESA SHARE – MESA Classic Lung Large Airway Variant Dataset**

**(MESA\_AncilMesaLungVariant)**

**Nature of Data:** Lung large airway variants from the MESA Lung Cohort.

“Funding support for the Lung CT dataset was provided by grants R01-HL077612 and R01-HL093081”

**MESA SHARE – MESA Classic Mineral Metabolite Data**

**(SHARE\_AncilMesaMineralMetabolite)**

**Nature of Data:** MESA Classic measures of serum and urinary concentrations of mineral metabolism markers including Vitamin D, potassium, sodium, calcium, phosphorus, and others.

“Support for the Mineral Metabolite dataset was provided by grant HL096875”

**MESA SHARE – MESA Classic MNR Lipids Data**

**(SHARE\_Exam1Main)**

**Nature of Data:** MNR lipids for MESA Classic participants

“Support for the MNR Lipids dataset was provided by Liposcience (Raleigh, North Carolina, USA)”

**MESA SHARE – MESA Classic NAFLD Dataset**

**(SHARE\_NAFLDLiverCT)**

**Nature of Data: Non-Alcoholic Fatty Liver Disease CT dataset for MESA Classic participants**

“Funding support for the NAFLD dataset was provided by grant HL071739-05A2”

**MESA SHARE – MESA Classic Neighborhood Food Datasets Exams 1-5**

**MESA\_AncilMesaNeighborFoodExam1-5**

**Nature of Data: MESA Neighborhood Ancillary Study Exam 1-5 datasets with estimates of healthy food environment.**

“Funding support for the Neighborhood food dataset was provided by grant HL071759-01”

**MESA SHARE – MESA Classic Neighborhood Scales Datasets Exams 1-5**

**MESA\_AncilMesaNeighborScalesExam1-5**

**Nature of Data: MESA Neighborhood Ancillary Study Exam 1-5 datasets with estimates of safety, social cohesion, and aesthetic quality.**

“Funding support for the Neighborhood scales dataset was provided by grant HL071759-01”

**MESA SHARE – MESA Classic Neighborhood Scales Sodium Dataset Exam 1**

**MESA\_AncilMesaNeighborScalesSodiumExam1**

**Nature of Data: MESA Neighborhood Ancillary Study DASH diet score including sodium from Exam 1.**

“Funding support for the Neighborhood scales dataset was provided by grant HL071759-01”

**MESA SHARE – MESA Classic Pentraxin Dataset**

**(SHARE\_AncilMesaPentraxin)**

**Nature of Data: MESA Classic measures of Pentraxin and Serum Amyloid.**

“Funding support for the Pentraxin dataset was provided by AHA”

**MESA SHARE – MESA Classic Pericardial Fat Dataset**

**(SHARE\_AncilMesaPericardialFat)**

**Nature of Data: Pericardial Fat dataset for MESA Classic participants**

“Funding support for the pericardial fat dataset was provided by grant R01 HL085323-01.”

**MESA SHARE – MESA Classic Pulsewave Data**

**(SHARE\_Exam1Main)**

**Nature of Data: Exam 1 pulsewave data for MESA Classic participants**

“Support for the exam 1 pulsewave data was provided by Hypertension Diagnostics, Inc (Eagan, Minnesota, USA)”

**MESA SHARE – MESA Classic Pwave ECG Dataset**

**(SHARE\_AncilMesaPWaveECG)**

**Nature of Data: PWave ECG dataset for MESA Classic participants**

[Note: Acknowledgement is covered by section I]

**MESA SHARE – MESA Classic Right Ventricle Function Dataset**

**(SHARE\_AncilRV)**

**Nature of Data: RV function dataset for MESA Classic participants**

“Funding support for the RV dataset was provided by grant HL086719”

**MESA SHARE – MESA Classic Renal Function Dataset**

**(SHARE\_Renal)**

**Nature of Data: Renal function dataset for MESA Classic participants**

**“Funding support for the Renal Function dataset was provided by grant DK083538-01”**

**MESA SHARE – MESA Classic Sex Hormone Dataset**

**(SHARE\_AncilMesaSexHormone)**

**Nature of Data: Sex Hormone Dataset for MESA Classic participants**

**“Funding support for the sex hormone dataset was provided by grants HL074406 and HL074338.”**

**MESA SHARE – MESA Classic Sleep Polysomnography Dataset**

**(SHARE\_Sleep Polysomnography)**

**Nature of Data: Sleep Polysomnography dataset for MESA Classic participants**

**“Funding support for the Sleep Polysomnography dataset was provided by grant HL56984.”**

**MESA SHARE – MESA Classic Sphingomyelin Dataset**

**(SHARE\_AncilMesaSphingomyelin)**

**Nature of Data: Sphingomyelin dataset for MESA Classic participants**

**“Funding support for the sphingomyelin dataset was provided by grant NIH 1R01HL098433-01.”**

**MESA SHARE – MESA Classic Spirometry Dataset**

**(MESA\_SHARE\_AncilMesaLungSpirometry)**

**Nature of Data: Spirometry dataset for MESA Classic participants**

**“Funding support for the MESA Classic Spirometry dataset was provided by grant R01-HL077612.”**

**MESA SHARE – MESA Classic Stress Dataset**

**(SHARE\_Stress Cortisol and SHARE\_StressCortisolLong)**

**Nature of Data: Stress dataset for MESA Classic participants**

**“Funding support for the cortisol dataset was provided by grant HL059386”**

**MESA SHARE – MESA Classic Time to Diabetes**

**(SHARE\_MESA TimeToDiabetes)**

**Nature of Data: MESA Classic events time from baseline to diabetes diagnosis.**

**[Note: Acknowledgement is covered by section I]**

**MESA SHARE – MESA Classic Vitamin D Dataset**

**(SHARE\_AncilMesaVitaminD)**

**Nature of Data: MESA Classic measure of 25 Hydroxy Vitamin D.**

**“Funding support for the Vitamin D dataset was provided by grant HL096875”**

**MESA SHARE – MESA Classic Vitamin K Dataset**

**(SHARE\_AncilMesaVitaminK)**

**Nature of Data: Measure vitamin K status (as plasma phylloquinone (vitamin K1) in a sub-group of participants in the MESA study**

**“Funding support for the Vitamin D dataset was provided by AHA 09CRP2070013”**

## **MESA Family Datasets**

**MESA SHARE – MESA Family Air Exposure Dataset**

**(SHARE\_FamilyAirExposure)**

**Nature of Data: Distance to Roadway measurements for MESA Air Family participants.**

**[Note: Acknowledgement is covered by section I]**

**MESA SHARE – MESA Family Aortic Valvular Calcium Dataset**

**(SHARe\_FamilyAorticValvularCalcium)**

**Nature of Data: Aortic valvular calcium dataset for MESA Classic participants**

“Funding support for the aortic valvular calcium dataset was provided by grant 1R01HL088451-01A1.”

**MESA SHARe – MESA Family Eye Dataset**

**(SHARe\_MesaFamily\_EyeRefraction)**

**Nature of Data: Refraction dataset for MESA Eye participants**

“Funding support for the eye dataset was provided, in part, by the Intramural Research Program of the NIH, NEI (ZIAEY000425).”

**MESA SHARe – MESA Family Lung Airways Dataset**

**(SHARe\_MesaFamily\_LungAirway)**

**Nature of Data: Lung Airways dataset for MESA Family participants**

“Funding support for the Lung CT dataset was provided by grants R01-HL077612 and RC1-HL100543”

**MESA SHARe – MESA Family Lung CT Dataset**

**(SHARe\_LungFamilyCT)**

**Nature of Data: Lung CT dataset for MESA Family participants**

“Funding support for the Lung CT dataset was provided by grants R01-HL077612 and RC1-HL100543”

**MESA SHARe – MESA Family Retinal Photography Dataset**

**(SHARe\_FamilyEyeRetinalPhoto)**

**Nature of Data: Retinal photography dataset for MESA Family participants**

“Funding support for the MESA Family retinal photography dataset was provided by grant and contract numbers R01HL071051, R01HL071205, R01HL071250, R01HL071251, R01HL071252, R01HL071258, R01HL071259. and HL066018.”

**MESA SHARe – MESA Family Spirometry Dataset**

**(MESA\_SHARe\_FamilySpirometry)**

**Nature of Data: Spirometry dataset for MESA Family participants**

“Funding support for the MESA Family spirometry dataset was provided by grant R01-HL077612.”

**MESA Air Datasets**

**MESA SHARe – MESA Air Exposure Dataset**

**(SHARe\_AirNRExposure)**

**Nature of Data: Distance to Roadway measurements for MESA Air New Recruit participants.**

[Note: Acknowledgement is covered by section I]

**MESA SHARe – MESA Air IMT Dataset**

**(SHARe\_AirNRIMT)**

**Nature of Data: intima-media thickness dataset for MESA Air New Recruit participants**

[Note: Acknowledgement is covered by section I]

**MESA SHARe – MESA Air Lung Airways Dataset**

**(SHARe\_LungNRCT)**

**Nature of Data: Lung Airways dataset for MESA Air New Recruit participants**

“Funding support for the Lung CT dataset was provided by grants R01-HL077612 and RC1-HL100543”

**MESA SHARe – MESA Air Lung CT Dataset**



**(SHARe\_LungNRCT)**

**Nature of Data: Lung CT dataset for MESA Air New Recruit participants**

“Funding support for the Lung CT dataset was provided by grants  
R01-HL077612 and RC1-HL100543”

**MESA SHARe – MESA Air Spirometry Dataset**

**(MESA\_SHARe\_AirNRSpirometry)**

**Nature of Data: Spirometry dataset for MESA Air New Recruit participants**

“Funding support for the MESA Air spirometry dataset was provided by grant R01-HL077612.”